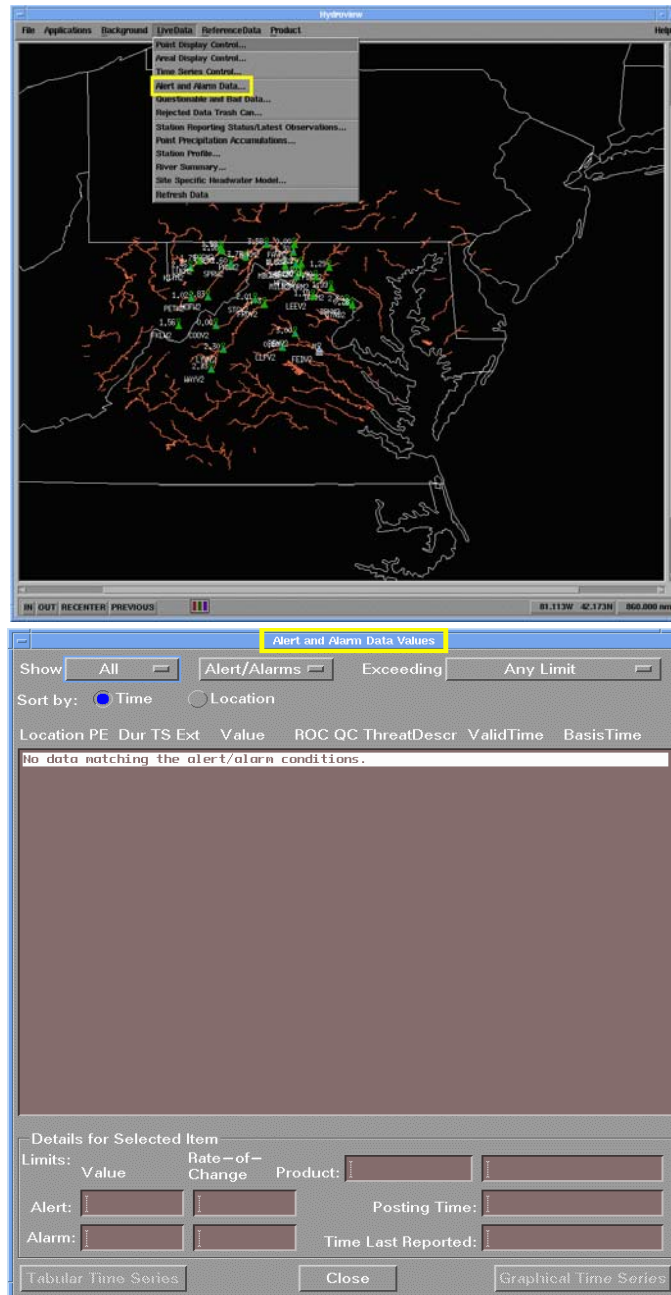


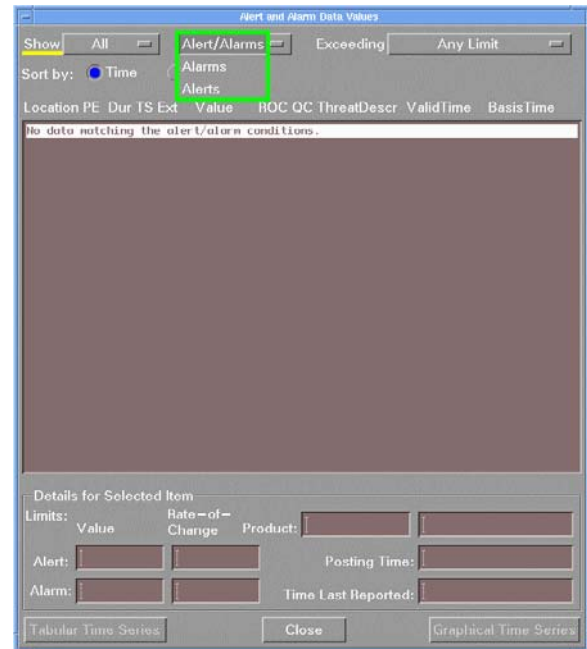
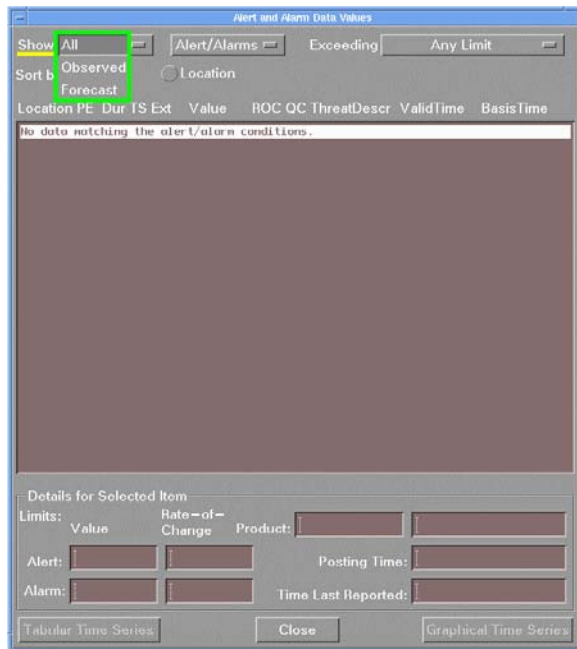
## Quality Control and Alert/Alarm Limits (version 5.1.2)

### Alert/Alarm Data Values

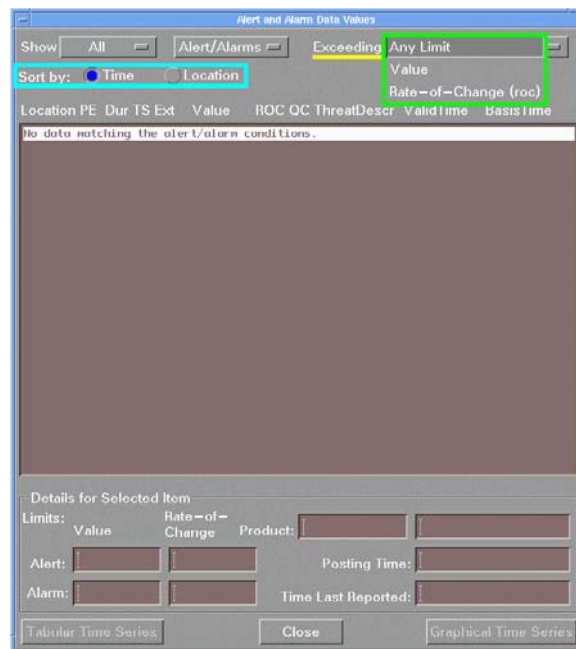
The Alert and Alarm Data window can be used to display data that have exceeded alert and alarm thresholds based on value and rate-of-change. The user can access this display from the **Root Window** in HydroView by clicking on the **LiveData** pull down menu. Click on **Alert and Alarm Data...**. This display is read-only. Changes to data or alert/alarm limits can not be made in this window.



Use the **Show:** options to display only those alert and alarm data records of interest. The user can click on the first box on the top left to choose *All data*, *Observed data*, or *Forecast data*. The middle box options are *Alert/Alarm*, *Alarms*, or *Alerts*.



Last is the **Exceeding** box on the right side with the following options *Any Limit*, *Value*, or *ROC*. The **Sort By:** option allows the user to display the data in a specified order, either by location or time.



The header of the table displays the following information:

**Location** - location id

**PE** - physical element

**Dur** - duration code

**TS** - type source

**Ext** - extremum

**Value** - observed data value

**ROC** - rate-of-change limit

**QC** - quality control code: Q = questionable, B = bad, G = good

**Threat** - a threat that is either a value or roc (rate-of-change) limit

**Descr** - description of the threat as either an alert or an alarm

**ValidTime** - date and time of observed value

**BasisTime** - date and time when a forecast was made for forecast data

Alert and Alarm Data Values

Show

Sort by: ☒ Time ☐ Location

Location	PE	Dur	TS	Ext	Value	ROC	QC	Threat	Descr	ValidTime	BasisTime
No data matching the alert/alarm conditions.											

Details for Selected Item

Limits: Value  Rate-of-Change  Product:

Alert:   Posting Time:

Alarm:   Time Last Reported:

The user may click on an item in the table to display preset alert/alarm limits and other details at the bottom of the screen. In the **Details for Selected Item** section the **Product** id is displayed along with the **Alert/Alarm value** and the **Rate-of-Change** limit as defined in HydroBase. The **Posting Time** is the time the data was posted to the database. Last is the **Time Last Reported** field. The user may click on **Tabular Time Series** or **Graphical Time Series** to view the record within its time series context and edit real time data.

Alert and Alarm Data Values

Show
All
Alert/Alarms
Exceeding
Any Limit

Sort by:
☒ Time
☐ Location

Location PE Dur TS Ext Value ROC QC ThreatDescr ValidTime BasisTime

No data matching the alert/alarm conditions.

Details for Selected Item

Limits:
Value
Rate-of-Change
Product:

Alert:
Posting Time:

Alarm:
Time Last Reported:

Tabular Time Series
Close
Graphical Time Series